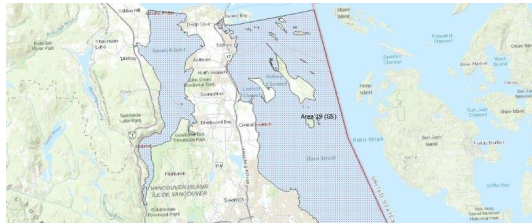


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 19 (GS) March 2023



Prepared By:

South Coast Salmon Stock Assessment Section

Wednesday 7th February, 2024



Fisheries and Oceans
Canada

Pêches et Océans
Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	Cattle Point MD	Cowichan Bay PM	Mill Bay			Sidney (Tulista Park Ramp)	
				AM	MD	PM	MD	PM
26 Feb 2023	Weekend							
27 Feb 2023	Midweek							
28 Feb 2023	Midweek							
01 Mar 2023	Midweek							
02 Mar 2023	Midweek							
03 Mar 2023	Midweek							
04 Mar 2023	Weekend							
05 Mar 2023	Weekend						2	
06 Mar 2023	Midweek							
07 Mar 2023	Midweek				3			
08 Mar 2023	Midweek	1						
09 Mar 2023	Midweek							
10 Mar 2023	Midweek						5	
11 Mar 2023	Weekend							
12 Mar 2023	Weekend							
13 Mar 2023	Midweek							
14 Mar 2023	Midweek							
15 Mar 2023	Midweek							
16 Mar 2023	Midweek						3	
17 Mar 2023	Midweek							
18 Mar 2023	Weekend			11			5	
19 Mar 2023	Weekend							
20 Mar 2023	Midweek				1			
21 Mar 2023	Midweek	1						
22 Mar 2023	Midweek							
23 Mar 2023	Midweek							
24 Mar 2023	Midweek							
25 Mar 2023	Weekend				1			
26 Mar 2023	Weekend							
27 Mar 2023	Midweek						2	
28 Mar 2023	Midweek							
29 Mar 2023	Midweek	3						
30 Mar 2023	Midweek							
31 Mar 2023	Midweek						3	
01 Apr 2023	Weekend							1
02 Apr 2023	Weekend		5					
03 Apr 2023	Midweek					13		

Table 2: Daily tally of interviews, catch and effort.

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
26-Feb-2023	Sunday		0							
27-Feb-2023	Monday		0							
28-Feb-2023	Tuesday		0							
01-Mar-2023	Wednesday		0					1	1121	1
02-Mar-2023	Thursday		0							
03-Mar-2023	Friday		0							
04-Mar-2023	Saturday		0							
05-Mar-2023	Sunday	calm/rippled	2					17	1125	24
06-Mar-2023	Monday		0							
07-Mar-2023	Tuesday	calm/rippled	4	5						
08-Mar-2023	Wednesday	choppy	2							
09-Mar-2023	Thursday		0							
10-Mar-2023	Friday	choppy	5							
11-Mar-2023	Saturday		0							
12-Mar-2023	Sunday		0					7	1121	9
13-Mar-2023	Monday		0							
14-Mar-2023	Tuesday		0							
15-Mar-2023	Wednesday		0							
16-Mar-2023	Thursday	choppy	3					5	1124	6
17-Mar-2023	Friday		0							
18-Mar-2023	Saturday	calm/rippled	11	12						
19-Mar-2023	Sunday	calm/rippled	5	1				16	1124	23
20-Mar-2023	Monday	calm/rippled	1							
21-Mar-2023	Tuesday	calm/rippled	1							
22-Mar-2023	Wednesday		0							
23-Mar-2023	Thursday		0							
24-Mar-2023	Friday		0					5	1126	7
25-Mar-2023	Saturday	calm/rippled	1							
26-Mar-2023	Sunday		0							
27-Mar-2023	Monday	choppy	2							
28-Mar-2023	Tuesday		1							
29-Mar-2023	Wednesday	calm/rippled	3							
30-Mar-2023	Thursday		0							
31-Mar-2023	Friday	frequent whitecaps	3							
01-Apr-2023	Saturday	frequent whitecaps	1							
02-Apr-2023	Sunday	calm/rippled	5					3	0944	4
03-Apr-2023	Monday	choppy	13							
	Totals	choppy	25	5				4*		5*
	Totals	calm/rippled	19	13				13*		19*

* Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

Day Type	Average Expanded Boats	Number of Days	Total Estimated Effort	CPUE				Retained			
				Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
Midweek	5	23	115	0.2				23			
Weekend	19	8	152	0.684				104			

Table 4: Recent years estimates of retained catch and effort.

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	March	415	69			
2021	March	488	102			48
2022	March	384	50			0
2023	March	298	136			0
5-Yr Avg	March	429	74			24

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	44	11%
iRec Anglers	402	2%

Figure 1: Proportion of each day's fishing by hour.



Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
19A	Midweek	3%	9%	34%	44%	79%	79%	67%	48%	34%	24%	18%	0%	0%	0%	0%	0%	0%
19A	Weekend	0%	52%	76%	80%	83%	70%	59%	63%	38%	8%	0%	0%	0%	0%	0%	0%	0%
19B	Midweek	3%	15%	42%	52%	80%	76%	62%	41%	33%	23%	17%	0%	0%	0%	0%	0%	0%
19B	Weekend	0%	20%	46%	57%	79%	70%	58%	53%	28%	21%	5%	0%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Cattle Point	Cowichan Bay	Mill Bay	Sidney (Tulista Park Ramp)
26 Feb 2023	Weekend				
27 Feb 2023	Midweek				
28 Feb 2023	Midweek				
01 Mar 2023	Midweek				
02 Mar 2023	Midweek				
03 Mar 2023	Midweek				
04 Mar 2023	Weekend				
05 Mar 2023	Weekend				calm/rippled
06 Mar 2023	Midweek				
07 Mar 2023	Midweek			calm/rippled	
08 Mar 2023	Midweek	choppy			
09 Mar 2023	Midweek				
10 Mar 2023	Midweek				choppy
11 Mar 2023	Weekend				
12 Mar 2023	Weekend				
13 Mar 2023	Midweek				
14 Mar 2023	Midweek				
15 Mar 2023	Midweek				
16 Mar 2023	Midweek				choppy
17 Mar 2023	Midweek				
18 Mar 2023	Weekend			calm/rippled	
19 Mar 2023	Weekend				calm/rippled
20 Mar 2023	Midweek			calm/rippled	
21 Mar 2023	Midweek	calm/rippled			
22 Mar 2023	Midweek				
23 Mar 2023	Midweek				
24 Mar 2023	Midweek				
25 Mar 2023	Weekend			calm/rippled	
26 Mar 2023	Weekend				
27 Mar 2023	Midweek				choppy
28 Mar 2023	Midweek				
29 Mar 2023	Midweek	calm/rippled			
30 Mar 2023	Midweek				
31 Mar 2023	Midweek				frequent whitecaps
01 Apr 2023	Weekend				frequent whitecaps
02 Apr 2023	Weekend		calm/rippled		
03 Apr 2023	Midweek			choppy	